



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,181	04/06/2004	Ying-Kin Tony Yip	MS#304540.01 (5099)	7363
38779 7590 05/10/2007 SENNIGER POWERS (MSFT) ONE METROPOLITAN SQUARE, 16TH FLOOR ST. LOUIS, MO 63102			EXAMINER WOO, ISAAC M	
			ART UNIT 2166	PAPER NUMBER
			NOTIFICATION DATE 05/10/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspatents@senniger.com

Office Action Summary	Application No. 10/820,181	Applicant(s) YIP ET AL.	
	Examiner Isaac M. Woo	Art Unit 2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) 26-40 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>3/9/2007</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to Applicant's amendments, filed on March 02, 2007 have been considered but they are not persuasive.
2. Claims 1, 11 and 17 are amended. Claims 26-40 are withdrawn. Claims 1-44 are pending. Claims 1-25 are presented for examination for this office action.

Response to arguments

In response to Applicant's Remarks filed on March 02, 2007, the following factual arguments are noted:

Morgan et al (U.S. Pub. No. 2005/0071754) does not teach or disclose, "change configuration is performed in response to the user's request, and identifying the client effected by the change".

However, examiner does not agree.

Morgan discloses, "information is displayed on a set of displays by identifying a change in a data displayed by a set of clients " (page 1, section 0005, abstract), and "The configuration manager 120 is responsible for generating, storing, and maintaining the configuration data for the information display system 100. The configuration data may be stored in one or more XML configuration documents 122, or in any other desired format. The XML configuration documents 122 may specify the information

contained on a panel, the panels that are included on a page, the layout of panels within a page, the client information displays 170 that display a page, the rotation sets that may be displayed on the client information displays 170, and the pages in a rotation set. The XML configuration documents 122 also may contain other information regarding the configuration of the information display system 100. The configuration manager 120 may include a processor for reading, parsing, and extracting information from the XML configuration documents 122 to respond to queries about the system configuration, which may be received, for instance, from the page maker 140" (page 3, section 0026). This teaches that once configuration data is changed in client, the changed configuration data is stored by requesting to update the XML configuration document and the updated (changed) configuration data is sent to the identified client affected by the update (page 3, section 0027). Thus, Morgan teaches, "change configuration is performed in response to the user's request, and identifying the client effected by the change".

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Morgan et al (U.S. Pub. No. 2005/0071754, hereinafter, "Morgan").

With respect to claim 1, Morgan teaches receiving a request from a user to implement a change in configuration data, the configuration data relating to an operation of a client (i.e., user changes the configuration data with GUI, page 4, section 0030, page 2, section 0019); storing the received request in a memory area (page 1, sections 0003-0008); requesting topology data from the memory area based on the configuration data, the topology data defining a relationship between the client and the configuration data (i.e., affected client is displayed by configuration data changes, page 6, sections 0047-0048); receiving the requested topology data from the memory area, the received topology data identifying the client (page 6, sections 0047-0048) in response to the received request from the user (page 3, section 0026); identifying a notification service associated with the identified client (page 1, sections 0002-0011); and notifying the identified notification service of the change in the configuration data (page 5, sections 0044-48), wherein notifying includes generating a notification manifest identifying the client (page 3, section 0026), the notification manifest defining the change in configuration data and specifying the client affected by the change ((page 3, section 0026).

With respect to claim 2, Morgan teaches application program, a server, a service, and an operating system component (page 1, sections 0002-0009).

With respect to claim 3, Morgan teaches generating a notification as a function of the notification manifest; and sending the notification to the memory area for access by the notification service (page 5, sections 0044-0048).

With respect to claim 4, Morgan teaches target configuration data, further comprising storing an instance of the target configuration data in the memory area and modifying the topology data to define a relationship between the target configuration data and the client (page 1, sections 0002-0009).

With respect to claim 5, Morgan teaches determining if the user has authority to change configuration data (page 1, sections 0002-0009).

With respect to claim 6, Morgan teaches application program, a server, a service, and an operating system component (page 5, sections 0044-0048).

With respect to claim 7, Morgan teaches changing configuration data of a back-end client, changing configuration data of a front-end client, changing configuration data of a monitoring client, or viewing configuration data of a second client (page 5, sections 0044-0048).

With respect to claim 8, Morgan teaches searching a second memory area to determine if the notification service notified the client of the change in configuration data (page 1, sections 0002-0009).

With respect to claims 9-10, Morgan teaches storing a record in a second memory area, the record indicating one or more of the following: a time that the request to change the configuration data is received, target configuration data, or an identification of the client (page 1, sections 0002-0009).

With respect to claim 11, Morgan teaches receiving a notification, the notification indicating a change in configuration data, the configuration data relating to an operation of the client (i.e., user changes the configuration data with GUI, page 4, section 0030, page 2, section 0019); obtaining a notification manifest from a memory area in response to the received notification, the notification manifest defining the change in the configuration data and specifying the client (i.e., notification to affected client is displayed by configuration data changes, page 6, sections 0047-0048) in response to the received use4r request (page 3, section 0026); processing the obtained notification manifest to identify the client; and page 6, sections 0047-0048); and sending the notification manifest to the identified client (page 3, sections 0027-0029).

With respect to claim 12, Morgan teaches obtaining a notification manifest comprises querying a configuration database for the notification manifest (page 1, sections 0002-0009).

With respect to claim 13, Morgan teaches storing a record in a second memory are in response to sending the notification manifest, the stored record indicating that the client has been notified of the change in the configuration data (page 1, sections 0002-0009, page 3, sections 0027-0029).

With respect to claim 14, Morgan teaches the client is being notified of the change in the configuration data, that the client has been notified of the change in the configuration data, or that the change in the configuration data has been executed on the client (page 3, sections 0027-0029).

With respect to claims 15-16, Morgan teaches sending the notification manifest as an electronic mail message (page 3, sections 0027-0029, page 6, sections 0047-0048).

With respect to claim 17, Morgan teaches receiving request form from a user implement a change in configuration data, the configuration data relating to an operation of a client (page 3, section 0026); receiving a notification manifest from a notification service, the received notification manifest defining a change in configuration data (i.e., user changes the configuration data with GUI, page 4, section 0030, page 2, section

0019) specifying a client affected by the change in the configuration data (i.e., notification to affected client is displayed by configuration data changes, page 6, sections 0047-0048) in response to the received user request (page 3, section 0026); processing the received notification manifest to identify the client (page 6, sections 0047-0048); determining a cache service associated with the identified client (page 4, sections 0036-0041); and notifying the determined cache service of the change in the configuration data to effect the change on the client (page 1, section 0004).

With respect to claim 18, Morgan teaches applying the change in the configuration data to a cache associated with the client (page 6, sections 0047-0048).

With respect to claim 19, Morgan teaches authenticating a source of the notification manifest (page 6, sections 0047-0048).

With respect to claim 20, Morgan teaches storing a record in a memory area in response to notifying the determined cache service, the record indicating that the client has been notified of the change or that the client has applied the change or both (page 6, sections 0047-0048).

With respect to claim 21, Morgan teaches a time stamp indicating a time associated with the notifying (page 6, sections 0047-0048).

With respect to claim 22, Morgan teaches storing previous configuration data of the client in a memory area, the previous configuration data indicating a previous configuration state of the client (page 6, sections 0047-0048, page 4, sections 0036-0041).

With respect to claim 23, Morgan teaches receiving a request to change the client from an existing configuration state to the previous configuration state, and wherein the change in the configuration data represents a change from the existing configuration data of the client to the previous configuration data (page 6, sections 0047-0048, page 4, sections 0036-0041).

With respect to claims 24-25, Morgan teaches change in the configuration data represents a change in an operational state of the client, the operational state indicating whether the client is executing a service (page 4, sections 0036-0041, page 6, sections 0047-0048).

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M. Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Isaac Woo
May 4, 2007